

TEODOSIEVSKI, D.; VLASKI, R.

Epidemiological and clinical characteristics of miliary tuberculosis based on the material of the Skopije Pediatric Clinic. Tuberkuloza 15 no.1:116-119 Ja-Mr '63.

1. Klinika za decje bolesti Medicinskog fakulteta, Skopje.
(TUBERCULOSIS IN CHILDHOOD)
(TUBERCULOSIS, MILIARY)
(STATISTICS)

>

VLASKIN, B.G.; SHTEYN, V.M.

Measurement of pulse characteristics of nonlinear four-terminal networks. Elektrosviaz' 14 no.9:68-71 S '60.

(MIRA 13:9)

(Transistors) (Fulse techniques (Electronics))

VAHSKIN, 1.5.

ACHERKAN, N.S.; YERMAKOV, V.V.; IGNAT'YEV, N.V.; KAUFMAN, L.M.; PUSH, V.E.; FEDOTENOK, A.A.; KHARIZOMENOV, I.V.; KHRYKOZ, A.N.; VLASKIH, F.S.; kandidat tekhnicheskikh nauk, dotsent; GANDLER, A.V.; Kandidat tekhnicheskikh nauk, dotsent; ALMKSEYEV, P.G., kandidat tekhnicheskikh nauk.

"Machine tools" by V.A.Bravichev and others. Reviewed by N.S.
Acherkan and others. Vest.mash. 37 no.5:87-91 My '57. (MLRA 10:5)

l.Kafedra "Metallorezhushchiye stanki" Moskovskogo stankoinstrumental'nogo instituta (Acherkan, Yermakov, Ignat'yev, Kaufman, Push, Fedotenok, Kharizomenov, Khrykoz)

(Machine tools)

ACCESSION NR: ARSO15187

SOURCE: Ref. zh. Metallurgiya, Abs. 51331

AUTHOR: Baytina, V. K.; Dovgalevskiy, Ya. M.; Vlaskina, K. I.

TITLE: Conditions for heat treatment of ANKoTI type alloys

CITED SOURCE: Sb. dokl. na Vses. soveshchan'i po litym splavam dlya

postoyan. magnitov, 1962. Saratov, 196L, 109-121

TOPIC FAGS: heat treatment, metal hardening, annealing, magnetic

property, single phase/ ANKOTI slloy, Vanneys alloy

TRANSLATION: appropriations are live for intimal arising and
annealing conditions for alloy, Vanneys at which temperatures
critical speed with application of a magnetic field (1500 cerstods);
the interval 2004/30 with a militarian of a magnetic field (1500 cerstods);
the interval 2004/30 with a militarian of a magnetic field (1500 cerstods);

L 58864-65
ACCESSION NR: AR5015187

temperature isotherm; and, 4) 7-3-step annealing to 530°. The following values of the magnetic properties were obtained: R<sub>p</sub> = 7500 gausses, H = 1500 cersteds, (H) max = 0.2 x 10° gauss-persteds.

(From R. Zh. Elektrotekhnika.

SUB CODE: MM ENCL: 00

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Ps-1 /Pt-10/

ACCESSION NR: AP5005097

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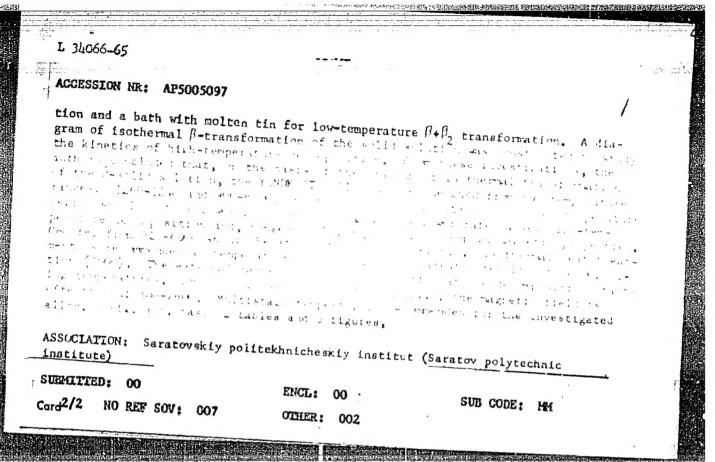
AUTHOR: Baytina, V. K.; Vlaskina, K. I.; Dovgalevskiy, Ya. M.

TITLE: Heat treatment of YUNDK35T5 alloy

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 2, 1965, 11-16, and insert facing p. 41

TOPIC TAGS: alloy heat treatment, alloy phase transformation, alnico alloy, thermomagnetic treatment, phase analysis, magnetic alloy / YuNDK35T5 alloy

ABSTRACT: The article reports the results of a study of the transformations which YuNEK35T5 alloy undergoes during heating and cocling. The main components of this alloy are Co. Ni, Al; Cu, and Ti, the percentages for which are given for three melts in tabular form. The residual induction, persivity, and saturation magnetization were measured. Heat treatment in a magnetic field (thermomagnetic treatment) was accomplished by cooling of the specimen in a special furnace situated in the gap of an electromagnet. The electromagnet provided a magnetic field strength of 1500 persted. The resolved temperature was maintained within Tou in the furnace. Isothermal heat treatment was used to investigate structural transformations. A bath with fused salt was used to study high-temperature transformations.



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ASHRATOVA, Sof'ya Kemalevna; VLASKINA, Lidiya Sergeyevna; GRACHEVA, A.V., red.; TRISHINA, L.A., tekhn. red.

[New rapid-sewing machines of classes 83, 93, and 49 for the assembly and stitching of Russian leather shoe parts] Novye bystrokhodnye shveinye mashiny dlia sborki zagotovok iuftevoi obuvi 83, 93, i 49 klassov. Moskva, Rostekhizdat, 1962. 119 p.

(Shoe machinery) (MIRA 15:7)

- 1. VLASKINA, V.
- 2. USSR (600)
- 4. Labor Productivity
- 7. To the standard of the foremost. V pom profaktivu Nc. 2 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

ACC NR: AP6021572

(A)

SOURCE CODE: UR/0131/66/000/003/0059/0061

AUTHOR: Nazarenko, N. D.; Vlasko, N. I.; Tikush, V. L.; Skryabinskaya, I. V.

ORG: Institute of Materials Research, AN UkrSSR (Institut Problem Materialovedeniya), AN

TITLE: Superduty nonfired refractories with magnesium phosphate used as the binder

SOURCE: Ogneupory, no. 3, 1966, 59-61

TOPIC TAGS: refractory, magnesium compound, phosphate, nonclay refractory product

ABSTRACT: Superduty concretes were experimentally produced on using fused-magnesite wastes of electric-heater production and monosubstituted magnesium phosphate. The phosphate was obtained by adding small portions of active MgO to preheated phosphoric acid:

$${\rm MgO} + 2{\rm H_3PO_4} \rightarrow {\rm Mg} \; ({\rm H_2PO_4)_2} + {\rm H_2O}$$

and evaporating the solution until a dry residue remained. This residue, dry monosubstituted magnesium phosphate, was added as the binder to the charge. Specimens of the resulting material were immediately pressed in semi-dry form in a hydraulic press and dried, first in

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air and then	at 100-110°C	(when the fina	al setting of specimens	f the phospi wore heate	ed to 900°C	in a muffle f	urnace	-
and to 1700°	C in a Krypt	ol lumace. Fr	Devos	tufficien	tly high, an	d that it incr	eases	
markedly w	hen they are	heated at 1200	J-1000 O. Z	11-1-	and none	geories (inc	luding	y
recommend	ed for the p	heated at 1200 roduction of ra mperature fur	mmed refr naces of th	actory linii e laborator	y type. Ori	g. art. has:	5 tables	• • :-
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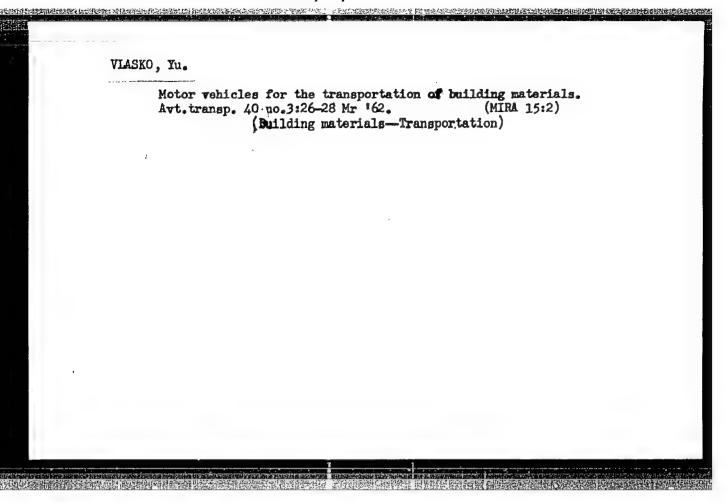
ASKINAZI, Kh., inzh.; VLASKO, Yu., inzh.

Operational requirements of motor vehicles used for container transportation. Avt.transp. 40 no.1:14-16 Ja '62. (MIRA 15:1) (Tractor trains)

PANKIN, M.; VIASKO, Yu.

Requirements of metal-transporting vehicles. Avt.transp.
39 no.10:13-15 0 '61. (MIRA 14:10)

1. Glavmosavtotrans i Nauchno-issledovatel'skiy institut avtomobil'nogo transporta. (Truck trailers)



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PONIZOVKIN, A.N.; SHURKINA, V.S.; KUZNETSOV, V.A.; TUZOVSKIY, I.D.; ETMANOV, S.Ya.; VINOCRADOV, V.V.; YLASKO, Yu.M.; CRINEERG, P.I., red.; BODANOVA, A.P., tekhn. red.

[Brief handbook on motor vehicles] Kratkii avtomomibl'nyi spravochnik. Izd.4., perer. i dop. Moskva, Avtotransizdat, 1963. 311 p. (MIRA 17:1)

1. Moscow. Nauchno-issledovatel'skiy institut avtomobil'nogo transporta. 2. Laboratoriya gruzovykh avtomobiley i
avtopoyezdov Nauchno-issledovatel'skogo instituta avtomobil'nogo transporta (for all except Grinber, Bodanova).

(Motor vehicles)

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BRONSHTEYN, L.A., dotsent; AFANAS'YEV, L.L., dotsent, BASH, M.S., dotsent; VLASKO, Yu.M., inzh.; ZEMSKOV, P.F., inzh.; KRAMARENKO, G.V., dotsent; LEYDERMAN, S.R., dotsent; LIV'YANT Ya.A., ispoln.obyazannesti dotsenta; LYUBINSKIY, N.M., inzh.; NAYDENOV, B.F., inzh.; FINKEL'SHTEYN, A.L., inzh.; KHROMOV, A.A., inzh.; CHUDINOV, A.A., inzh.; GOBERMAN, I.M., red.; GALAKTIONOVA, Ye.N., tekhn.red.; DONSKAYA, G.D., tekhn.red.

[Centralized automotive freight haulage] TSentralizovannye perevozki gruzov avtomobil'nym transportom. Pod obshchei red. I.M. Gobermana. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transporta i shosseinykh dorog RSFSR, 1960. 206 p. (MIRA 13:9)

1. Moscow. Avtomobil'no-dorozhnyy institut. (Transportation, Automotive)

BELOV, V.P.; KOZLOV, B.P.; LESHCHENKO, V.G.; SHMELEV, A.N., kand.
tekhn. nauk, retsenzent; VLASKO, Yu.M., red.; TAIROVA, A.L.,
red. izd-va; EL'KIND, V.D., tekhn. red.; DEMKINA, N.P.,
tekhn. red.

[Automatically controlled electric drives of textile machinery]
Avtomatizirovannyi elektroprivod tekstil'nykh mashin. Moskva,
Mashgtz, 1962. 371 p.
(Textile machinery—Electric driving)
(Automatic control)

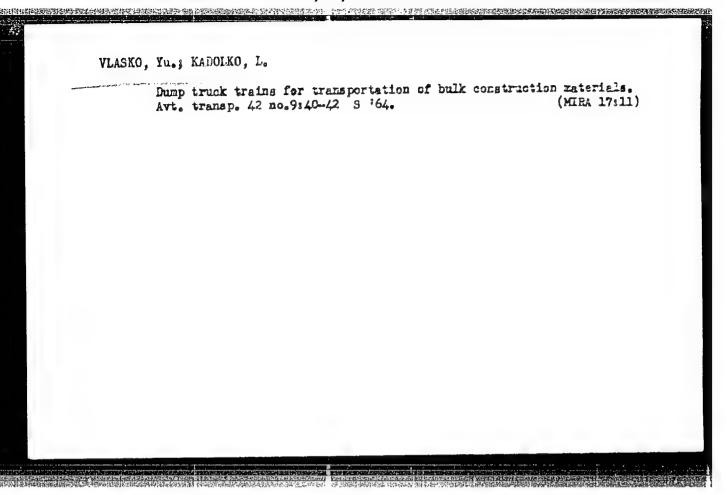
AKHFGLOV, I.K., inzh.; VIASKO, Yu.M.

Operational requirements for dump trucks and tractor trains carrying loads of loose materials. Stroi. i dor. Mash. 9 no.9:22-25 S '64.

(MIRA 17:11)

VLASKO, Yu.M., inzh.

Operational requirements for automotive transportation facilities for construction. Stroi.i dor.mash. 7 no.10:6-9 0 '62. (MIRA 15:11) (Motortrucks)



CHERNYAYKIN, Vladimir Aleksandrovich; VLASKO, Yuriy Mikhaylovich; DUBROVSKIY, Ye.V., red.; ATROSHCHENKO, L.Ye., tekhn. red.

[New Soviet motor vehicles] O novykh otechestvennykh avtomobiliakh. Moskva, Izd-vo "Znanie," 1962. 45 p. (Novoe v zhizni, nauke, tekhnike. IV Seriia: Tekhnika, no.3) (MIRA 15:6)

(Motor vehicles)

YLASKO, Yu.M.; KUZNETSOV, Ye.I.

Operating requirements to supporting brackets of semitrailers.

Avt.prom. 28 no.12:24-25 D '62. (MIRA 16:1)

1. Nauchno-issledovatel'skiy institut avtomobil'nogo transporta. (Truck trailers)

KIRZHEKIY, b. W.; VLASKOV, A. Ya.

Magnetostriction

Temperature hysteresis of magnetostriction, Izv. AN SSSR, Ser. fiz. 16 No. 6, 1952

Monthly List of Russian Accessions, Library of Bongress, June 1953, Uncl.

ASKINAZI, Kh.L., inzh.; VLASKO, Yu.M., inzh.

Automotive transportation of freight for construction. Stroi.i
dor.mash. 6 no.8:4-8 Ag '61.

(Truck trailers) (Building materials—Transportation)

SIROTENKO, I.; VLASKOV, I.

Use of the exhaust gases of a jet plane engine for drying corn on the cob in the Velichkov grain receiving center. Muk.-elev. prom. 28 no.2:10-11 F '62. (MIRA 15:3)

1. Direktor Velichkovskogo khlebopriyemnogo punkta (for Sirotenko). (Velichkov--Corn (Maize)--Drying)

DENISENKO, V.I.; VLASNEKO, V.L.

Installation for straightening sides of dump cars. Sbor.rats.

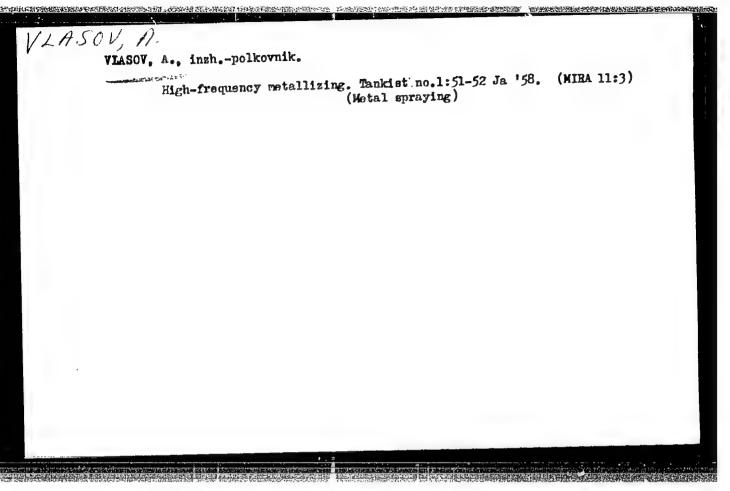
predl.vnedr.v proizv. no.5:62-63 '60. (MIRA 14:8)

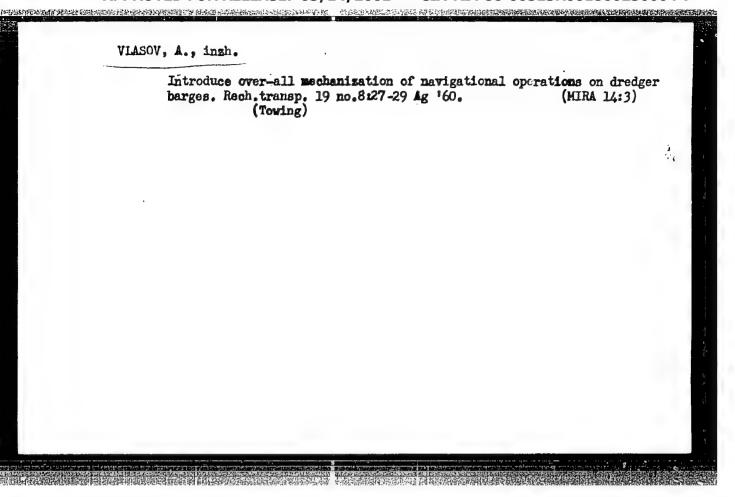
1. Dnepropetrovskiy metallurgicheskiy zavod imeni Petrovskogo. (Railroads—Equipment and supplies)

VLASOV, A., inchener-polkovnik,

Induction heating of metals by high-frequency currents. Tankist (MIRA 11:3)

no.5:46-47 My '56. (Induction heating)





VLASOV, A., inzh.

Improve the technical operation of the channel dredging and maintenance fleet. Rech. transp. 20 no.8:24-25 Åg '61.

(KIRA 14:10)

(Dredging machinery)

VLASOV, A.

Eliminate deficiencies in planning and construction. Fin. SSSR 37 no.8:15-20 Ag ''63. (MIRA 16:9)

1. Nachal'nik otdela Stroybanka SSSR.

(Chemical plants—Design and construction)

VLASOV, A.

Sovets-aia armiia i zheleznodorozhnyi transport. [The Soviet army and railroad transportation]. (2hel-dor. transport, 1948, no. 2, p. 9-16).

DLC: HE7.25

SO: SOVIET TRANSPORTATION AND COMMUNICATIONS, A BIBLIOGRAPHY, Library of Congress Reference Department, Washington, 1952, Unclassified.

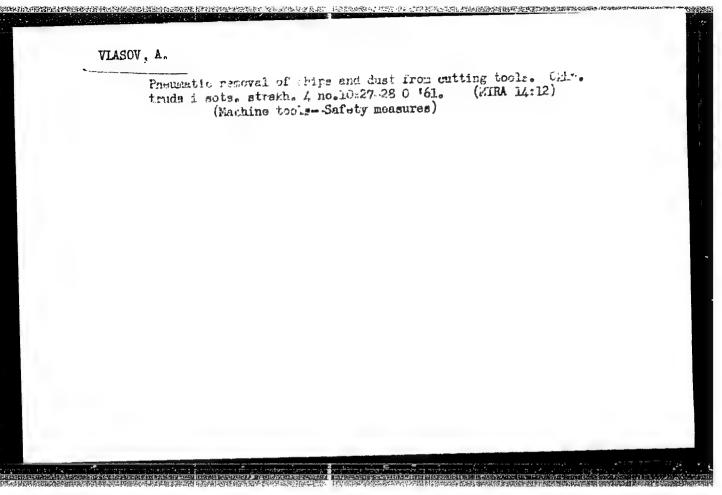
DOLYA, V. (g.Rezekne); VLASOV, A. (g.Sverdlovsk); EULZCA, ł. (s.Kurashevtsy, Vinnitskaya obl.); MIROHOV, Ye. (sovkhoz Neyelovo, Smolenskaya obl.); VOLEOV, V. (s.Kazanka, Nikolayevskoy oblasti); ERUDKII, A. (Khabarovskiy kray)

Suggestions of the wire broadcasting workers. Radio no.2:49-50 (MIRA 15:1) f '62. (Wire broadcasting--Equipment and supplies)

VLASOV, A.

Group organizer Aleksandr Kovalenko. Sov.profsoiuzy [8] no.3:39-40 F '60. (MIRA 13:2)

 Instruktor orgotdela Voronezhskogo oblsovprofa. (Voronezh-Turning) (Trade unions)



VLASOV, A.; PODATNOVA, L.

Struggle for industrial hygiene and economic efficiency. Okhr. truda i sots.strakh. 6 no.216-7 F '63. (MIRA 16:2)
(Insurance, Social)
(Machinery industry—Safety measures)

Wilsow, A., inshener.

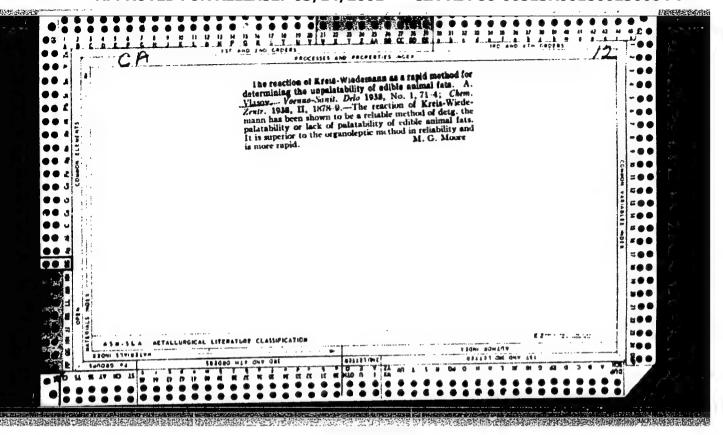
Mechanized water supply in poultry cages. Miss. End. SSSR 26 ne.6:
21-24 \*55. (MLRA 9:2)

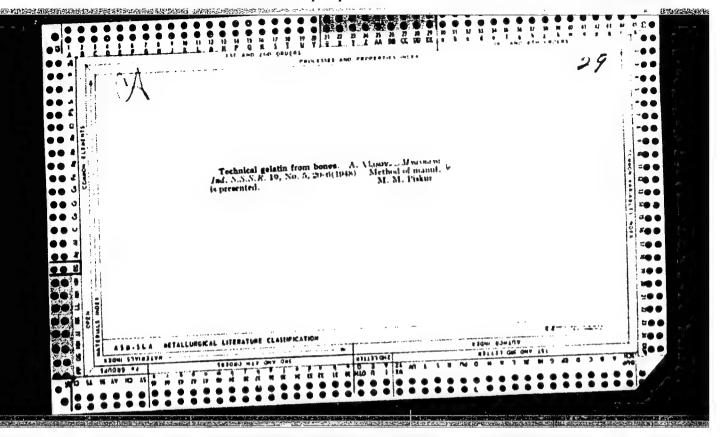
1.Temilinekaya ptitsefabrika.
(Peultry--Watering)

VLASOV, A., inzhener

Humber of birds per cage in poultry husbandry. Mias.ind.SSSR 26 no.2: 27-30 '55. (MLRA 8:7)

1. Tomilinskaya ptitsefabrika. (Poultry houses and equipment)





VLASOV, A.

Gelatine

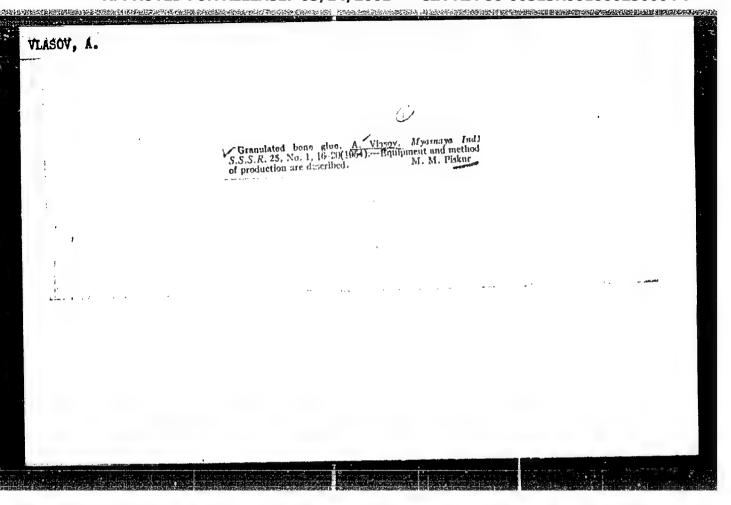
Autoclave method of producing gelatin. Mias. ind SSR 23 No. 3, 1952.

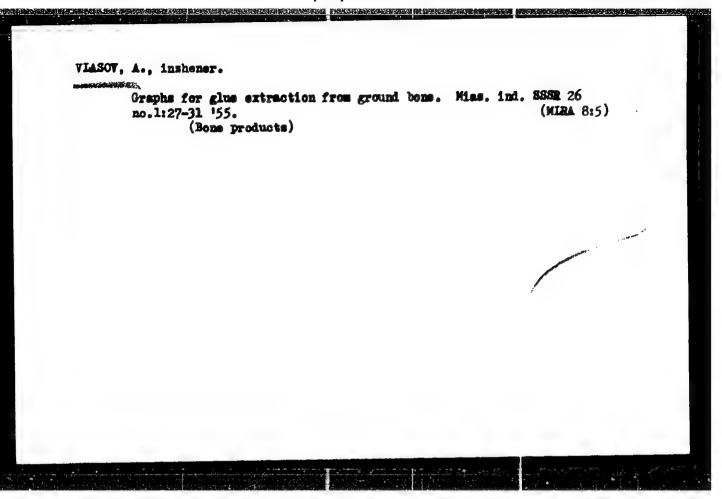
Monthly List of Russian Accessions, Library of Congress, September 195%? Unclassified.

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### VLASOV, A.

Improving the dredging and maintenance fleet. Rech. transp. 24 mc.8: 35-38 \*65. (MIRA 18:9)

1. Zamestitel' nachal'nika Glavnogo upravleniya vodnykh putey 1 gidrosooruzheniy.

L 2383-66

ACCESSION NR: AP5022142

UR/0310/65/000/008/0035/0038

AUTHOR: Vlasov, A. (Deputy chief)

TITIE: Developing the technical capacities of the river fleet

SOURCE: Rechnoy transport, no. 8, 1965, 35-38

TOPIC TAGS: inland waterway, shipbuilding engineering

ABSTRACT: The author enumerates and describes the various methods, equipment and goals of the Ministry of the River Fleet (MRF) for improving its ships and expanding water ways throughout the USSR. Three tables give data on the existing dredges, scoops and derricks. It is stated that 7 construction organizations have participated during the last 8 years in improving and expanding the operations of various branches of the river fleet, and that in the next 5 years it will be necessary to do further research for the improvement of engineering maps, technical procedures, designs, etc., in order to meet the ever increasing demands made on the technical capacities of the fleet. Orig. art. has: 3 tables.

和建筑设计划的16%而作的连续设计,然而1700分钟是20分布企业内的20次分钟。1个20次指统产业研究设计。由16%,中间20%的增生的数据,2009的<mark>是2000分别的2000分别,2010分别</mark>

ASSOCIATION: none

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VLASOV, A., inzh. (Vil'nyus); TUCHAS, V. [Tucas, V.], inzh. (Vil'nyus)

Draining and bringing under cultivation peat bogs and floodland meadows in Lithuania. Gidr. i mel. 17 no.12:21-28 D \*65.

(MIRA 19:1)

SAMOYLOVICH, D.M.; BARINOVA, Ye.S.; VLASOV, A.A.; YUKHNOVSKAYA, O.P.

Increase of the sensitivity and development compensation in type "R" emulaions in glued condition. Zhur.nauch.i prikl.fot.i kin. 5 no.2:142-143 Mr-Ap '60. (MIRA 14:5)

1. Zavod tekhnicheskikh plastinok, Moskva.
(Photographic emulsions)
(Photography—Developing and developers)

SAMOYLOVICH, D.M.; BARINOVA, Ye.S.; VLASOV, A.A.; YUKHHOVSKAYA, O.P.

Investigating the sensitivity of emulsion R under various processing conditions. Zhur.nauch.i prikl.fot.i kin. 5 no.1:56-57 Ja-F '60. (MIRA 13:5)

1. Zavod tekhnicheskikh plastinok, Moskva.
(Photographic emulsions--Testing)

VLHSOV, A.A., insh.

New vessels servicing the local needs in economic regions. Rech. transp. 16 no.11:36-38 H '57. (MIRA 10:12)

(Inland water transportation) (Ships)

VLASOV, A.A., inzh.

Organizing repair of the inland water transportation fleet.

Rech. transp. 17 no.8:12-14 Ag '58. (MIRA 11:10)

(Ships--Maintenance and repair)

VIASOV, Aleksey Andreyevich; GREBENSHCHIKOV, R.A., inzh., retsenzent; VORONTSOV, S.D., inzh., red.; KAN, P.M., red.izd-va; BODROVA, V.A., tekhn. red.

**的现在分词**,但是不是是这种,我们是这种,我们就是是一个,我们就是一个,我们们,我们也不是一个,我们也是一个,我们也是一个,我们也是我们的,我们就是我们的一个,我们

[Vater-jet propelled river vessels] Rechnye vodometnye suda.

Moskva, Izd-vo "Rechnoi transport," 1962. 156 p. (MIRA 15:5)

(Inladn navigation) (Water jet)

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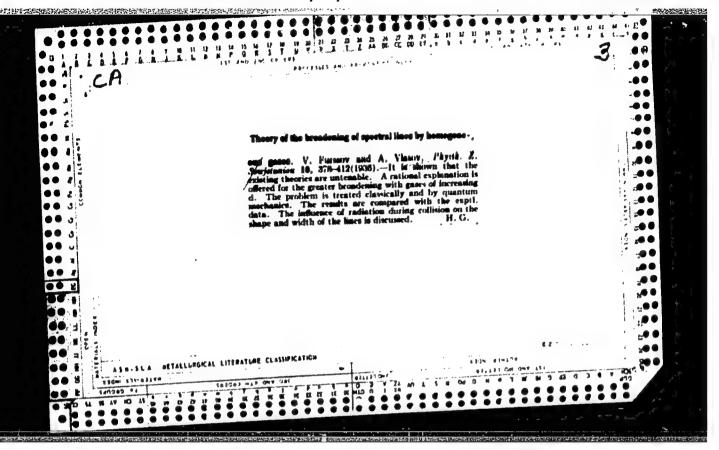
"Theory of the Vibratory Properties of Electron Gas," Uchenyye zapiski Moskovskogo gos. un-ta (Scientific Jounnal of Moscow State University), 1935, Issue 75.

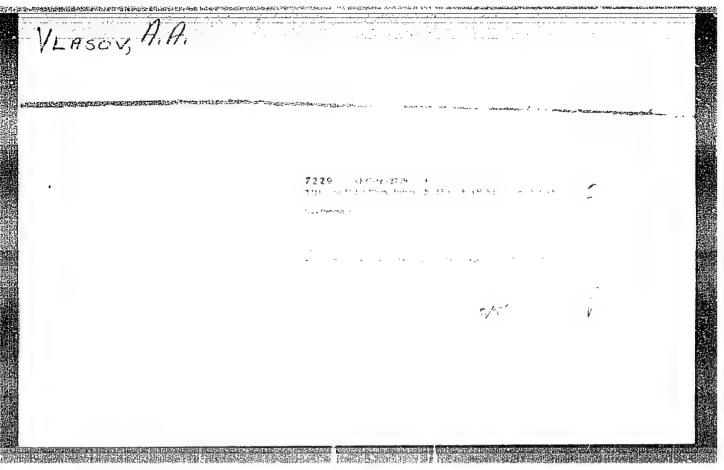
VLASOV, A. A.

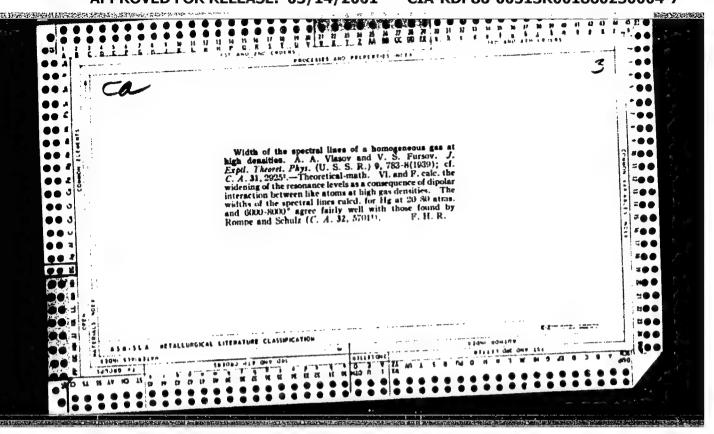
"On the Theory of a Hard Body," Chenyye zapiski Moskovskogo gos. un-ta
(Scientific Journal of Moscow State niversity), 1935, Issue 79.

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"On the Problem of Numerous Bodies," Uchenyye zapiski Moskovskogo gos.
un-ta (Scientific Journal of Moscow State University), 1935, Issue 77.

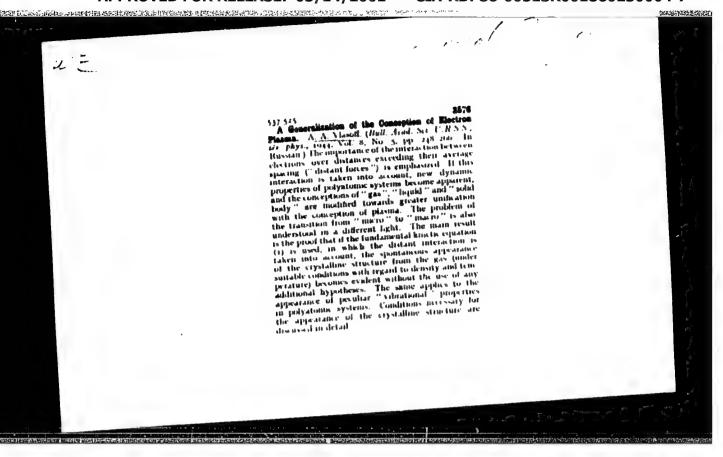






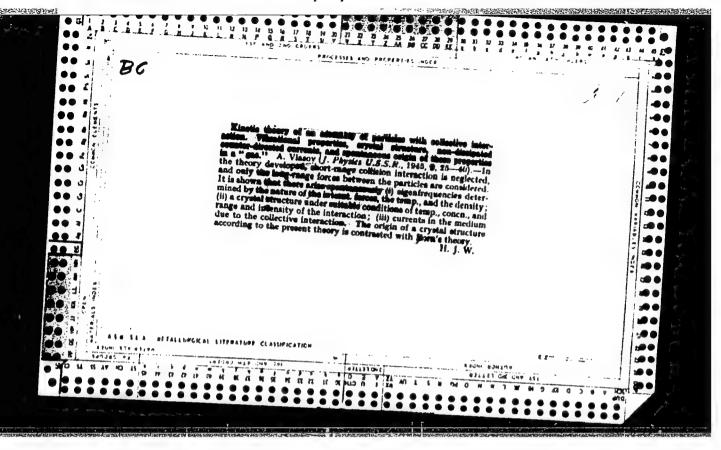
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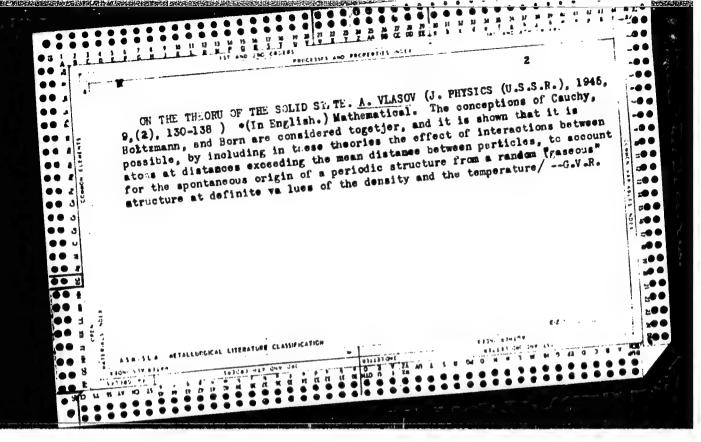
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VLASOV, A. A.

PA 9/49T63

USSR/Mathematics - Equations, Integral Mathematics - Equations, Linear

"New Outlook on the Problem of Many Particles," A. A. Vlasov, Moscov State U, 16 pp

"Zhur Eksper i Teoret Fiz" Vol XVIII, No 9, pp 840-55.

Article has seven parts: fundamentals; fixed constants as problem of strict values for nonlinear integral equations; spectrum of linearized equations; general consideration of derivation of solutions; derivation of solutions from the simple; derivations of solutions from periodics, and special solutions.

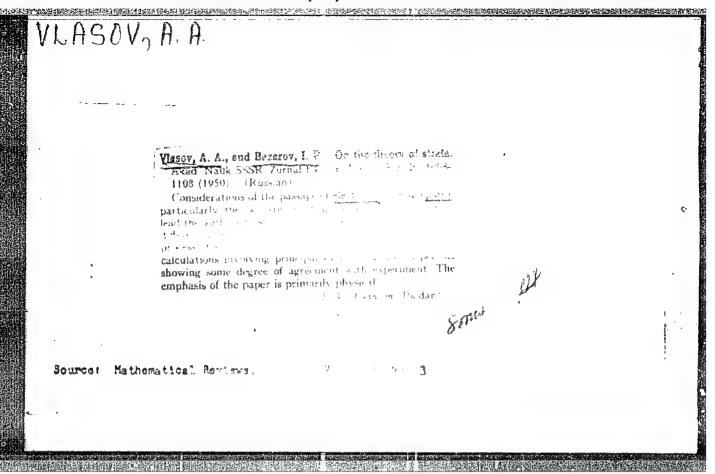
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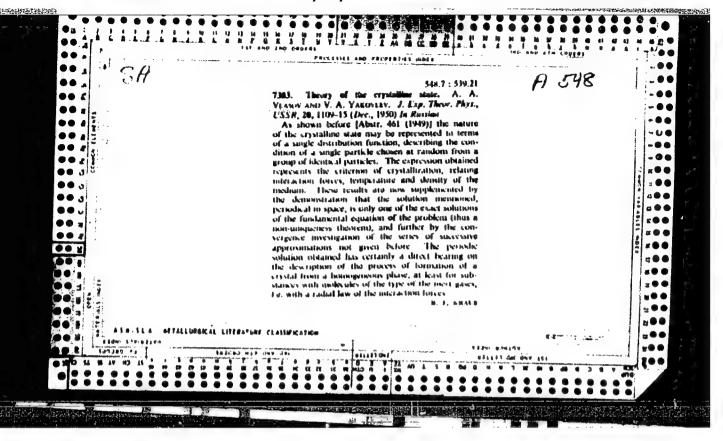
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Teoriia mnogikh chastita. Moskva, Gostekhizdat, 1950. 348 p. Title tr.: Theory of many particles.

UC721.V55

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.





VENSOV, A.A.

USSR/Nuclear Physics - Mass and charge transfer

FD-800

Card 1/1

Pub. 146-13/21

Author

: Vlasov, A. A. The section of the se

Title

: Transfer of mass and charge by surface waves

Periodical

: Zhur. eksp. i teor. fiz., 27, 224-242, Aug 1954

Abstract

: The boundary problem of the theory of multiple particles leads to the conclusion of the transfer of matter by surface waves. The developed concept is realized in capillary waves of HeII and in electric surface waves in the electron plasma of superconductors. Nine references including 2 foreign.

Institution : Moscow State University

Submitted

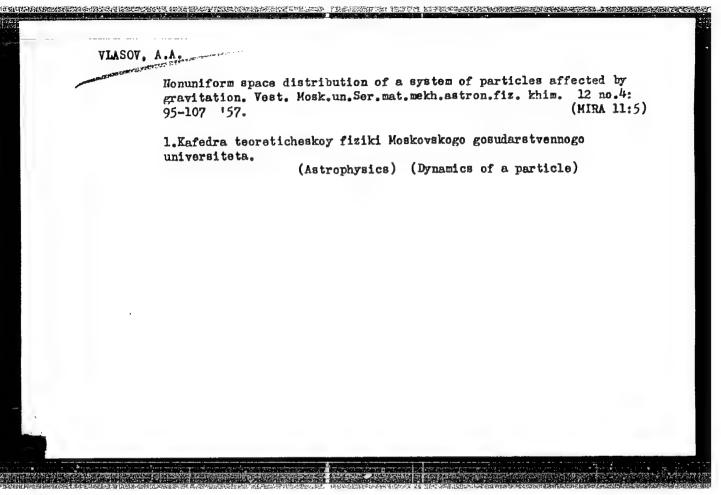
: June 18, 1953

VLASOV, Anatoliy Aleksandrovich; GUROV, K.P., redaktor; GAVRILOV, S.S.,

[Macroscopic electrodynamics] Makroskopicheskaia elektrodinamika.

Moskva, Gos.izd-vo tekhniko-teoret.lit-fy, 1955. 228 p.

(Electrodynamics) (MLRA 9:3)



V/./;; 1-/; -/4 /. VLASSOV, A. A.

"Nonlinear Plasma Limited in Space."

paper presented at Second All-Union Conference on Gaseous Electronics, Moscow, 2-6 Oct '58.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860230004-7"

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CHINA/Nuclear Physics - Physical Base of Nuclear and

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Thermonuclear Technology

Abs Jour

: Ref Zhur Fizika, No 4, 1960, 8227

Author

: Vlasov, A.A.

Inst

Manager of arthropic supple : New Principle of Existence of High Temperature Plasmoids

Title

Orig Pub

: Scientia sinica, 1959, 8, No 3, 266-287

Abstract

: A detailed calculation is given for the influence of four factors on a beam consisting of charged particles of like polarity (ions or electrons). The four factors are : external magnetic field (parallel to the axis of the beam), rotation of the beam (under suitable interpretation), forces of mutual repulsion between particles due to the presence of space charge, and temperature velocity dispersion. Allowance for these factors leads to the presence of a definite stationary state of motion of particles in the beam. This stationary state is

Card 1/2

- 33 -

CHINA/Nuclear Physics - Physical Base of Nuclear and Thermonuclear Technology

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Abs Jour : Ref Zhur

: Ref Zhur Fizika, No 4, 1960, 8227

characterized by a strongly outlined cylindrical boundary of the beam, the radius of which is found to be not arbitrary, but determined by the foregoing factors. There exists a definite relation between the effective radius, the temperature, and the magnetic field of the beam. Under suitable values of the magnetic fields and the dimensions, one can expact temperatures on the order of  $10^{10}$  -  $10^{12}$ oK. The beam is rotated not with cyclotron frequency, at least on the periphery, but with Larmor frequency. Under definite conditions for the concentration and magnetic field, the beam is stable with respect to variation of these quantities. A jumplike disturbance takes place in the stability (branch points appear) when these conditions are not satisfied.

Card 2/2

VIASOV, A. A.

"The Many Particle Problem and the Acceleration-dependent Distribution Function:"

report submitted for the Intl. Conference on Many-body Problems (IUPAP),

T Utrecht, Netherlands, 13-18 June 1960

Chair of Theoretical Physics, Moscow State Univ.

### "APPROVED FOR RELEASE: 03/14/2001

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AUTHOR:

Vlasov, A. A

TITLES

Theory of a new plasmoid

Publicals Zhuzna, transi desko, fiziki, v. 5', no. 1, '86', 785- 96

TEXAM. For a spatially bounded plasma consisting of one kind of charged furtibles which are kept regether by internal (and external) forces, distanced integral onase equations must exist, i.e. completely determined expressions interrelating the linear internations of the characteristics (temperature consistration, magnetic field is applied a cylindric coarcial atomic nuclei with a drift velocity along the tield may be in a plusherial state, i.e. storage otates of particle motification in the beam, in thich the diametral state of the latter is not are trange out determined by the internal and external conditions. A plusheria appears when three faster are present and term, magnetic field, projet median out totation of the velocities. A plusherid is characterized by a certain effective radius (depending on temperature, magnetic field, number of revolu-

Card 1/4

creery of a new plasmoid

S/057/6 /03: 1007/005:02: B106/3204

tions, and particle concentration). The plasmoidal state must arise sujdealy during continuous intrace of the magnetic field or the number of revolutions There is a critical value of the field which depends on tincontration and atomic weight of the nuclei. Theory lays down these proporties with sufficient reliantity to find a similar plashold by experineuts. In some important cases, the frequency of revolution of the plasto I is determined by the external Expetic field. In these cases, the Proguency of the revolutions coincides with the Larmor frequency Under the action of a strong magnetic field or when the concentration is sufficlently low, the plasmordal state is a single steady state characterized by the temperature distribution of the velocities and the finite space charge per unit length of the beam. Shen the ratio of the Languar to the Larmor frequency is sufficiently high, the plasmoidal state vanishes. The consideration of the magnetic field due to the revolution of the plasmoid and to the motion of the particles in the beam does not interfere with the existence of a plasmoid This field effects a quantitative change in the

integral phase equation, but this effect is small when  $\frac{u^2}{2}$  (1 and -

Card 2/4

Theory of a new plasmoid

S/057/61/031/007/005/021 B108/B209

In the simplest case, the integral phase equation of a plasmoid has the form  $\theta = \frac{m\omega_L^2 D^2}{4} \frac{1}{\psi(\lambda)}$ , where  $\psi(\lambda) = \int_0^\infty x e^{-x^2 + \phi} dx$ . The function  $\phi(x,\lambda)$  is the solution of the following equation:

$$\frac{1}{x} \frac{d}{dx} \left( x \frac{d\tau}{dx} \right) = \lambda e^{-x^2 + \varphi},$$

$$\varphi(0) = \varphi'(0) = 0$$

$$\left[ \lambda = 2 \frac{\omega_0^2}{\omega_L^2}, \quad \omega_0^2 = \frac{4\pi \sigma^2 \rho_0}{m}, \quad \omega_L^2 = \left( \frac{\sigma H}{2mc} \right)^2 \right].$$

The results of the numerical integration of the function  $\psi(\lambda)$  are given in the Table. This Table shows that the condition for the plasmoidal state,  $\int_{0}^{\infty} xe^{-x^2+y} dx < \infty \text{ is satisfied at } \lambda < 4.$  There are 1 table and 4 references:

Theory of a new plasmoid

S/057/61/031/007/005/021 B108/B209

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ASSOCIATION:

Kafedra teoreticheskoy fiziki MGU (Department of Theoretical Physics of Moscow State University)

SUBMITTED:

January 20, 1960

λ.	ψ (λ)
0	0.5000
10-2	0.492
10-1	0.478
1	0.351
2	0.285
3	0.439
3.8	1.689
3.99	6.505
4	> 1019

Card 4/4

ENT(1)/BDS/EEC-2/ES(v) AFFTC/ASD/AFMDC/ESD-3/APGC Pe-4/ Pi-4/Po-1/Pa-4 ACCESSION HR: AP3004418 5/0020/63/151/004/0818/0821 AUTHORS: Ylasov. A. A.; Khakimov. F. Kh. 20 Theory of stationary properties of fully ionized, earth-surrounding TITLE plasma: SOURCE: AN SSSR. Doklady\*, v. 151, no. 4, 1963, 818-821. TOPIC TAGS: ionized plasma, plasma, radiation belt, geophysics. ABSTRACT: Authors attempt to clarify the question as to whether the radiation helts surrounding the earth are formed as the result of a single statistical formation. The following circumstances must be taken into consideration: (i) the ellipticity of the distribution function at high altitudes; (ii) the effect of the external (dipole) earth's magnetic field upon this distribution; (iii) the interaction of charged particles among themselves and the combined charge of the earth and the atmosphere. These factors produce a considerable space anisotropy in the distribution of nuclei and electrons. The formulation of the problem and its solution are similar to those given in a previous paper by A. A. Vlasov (Zh. T. s. no. 7, 1961, 795). Graphical analysis of the solution shows Card

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outside of t system earth art. has: 2	s a belt in which his belt. The s , atmosphere, and figures and 20 u	olution satisfi the fully ioni nnumbered equat	es the condition zed earth-surrou ions.	of neutrali	. Orig.
(Moscow Stat	e University)				
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BASHKIROV, Valentin Dmitriyevich, dots., kand. tekhn. nauk;
PUKHOV, Pavel Petrovich, dots., kand. tekhn. nauk;
VLASOV, A.A., inzh., retsenzent; BABUHIN, B.B., inzh.,
retsenzent; VITASHKINA, S.A., red.

[Design of boats of the dredging and maintenance fleet] Ustroistve sudov tekhnicheskogo flota. Moskva, Transport, 1964. 275 p. (MIRA 18:2)

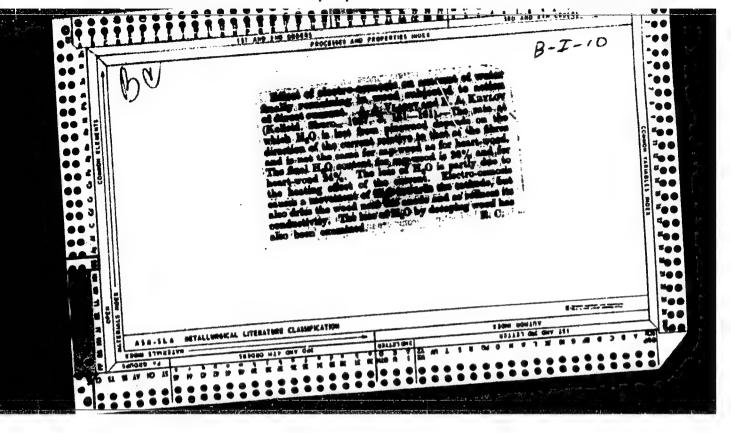
SOURCE CODE: UR/0413/66/000/017/0145/0145 . ACC NR AP6032536 INVENTOR: Andrianov, N. I.; Bersudskiy, Z. Ye.; Vlasov, A. A.; Kovachev, A. A.; Lipets, V. V.; Platonov, V. M.; Seletskiy, Ya. I. TITLE: The inner panel of all-welded aircraft fuel tank-sections. Class 62, SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 17, 1966, 145 TOPIC TAGS: aircraft fuel tank, aircraft fuel system, fuel tank air frame compount, re forced still structure ABSTRACT: The proposed inner parel of all-welded fuel tank-sections has a corrugated lining and cross piece stiffeners. In order to assure increased strength and reliability of the seams, · Fig. 1. Fuel tank sections 1 - Longitudinal stiffeners (corrugated lining); 2 - reinforcing plate; 3 - stamped conical bands. 629.13.01/06

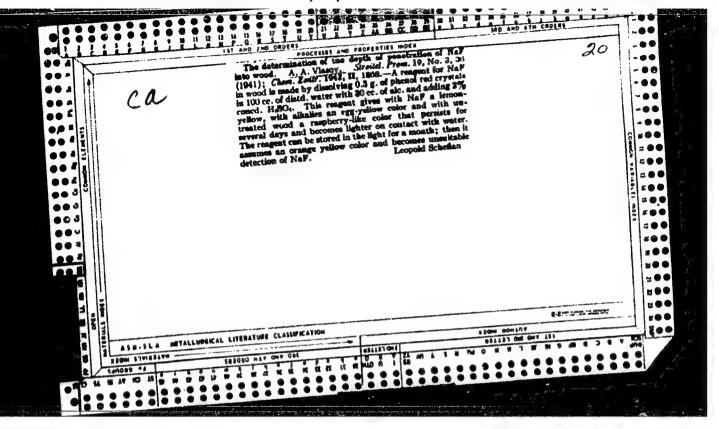
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it is provided with longitudinal stiffeners formed by the sinusoidal cross-section corrugated lining, having flat sections stamped out on the inner waves of the corrugation where they are joined with the cross piece stiffeners. These joints are reinforced by plates and along the ends by conical bands stamped to the lining (see Fig. 1). Orig. art. has: 1 figure.

SUB CODE: 1/ SUBM DATE: 27Nov64/





VLASOV, A. A.

20157 VLASOV, A. A. Opyt lecheniya lonorre'l penitsillinom. Sbornik trudov vracheb.-san. sluzhby kazansk. Zh. d., vyp. 2, 1948, s. 113-17
GR(MOV, V. V. i FOGODINA, I. A.
Sifilidy grotki v graktike oto laringo loga.-Sm. 20148

SO: LETOFIS ZHURNAL STATEY, Vol. 27, Moskva, 1949

VLASOV, A. A.

Vlasov, A. A. "Powdery Mildew of European Spindle Tree (Euonymus europaeus)," Lesnoe Khoziaistva, vol. 5, no. 12, 1952, p. 81. 99.8 L5622

So: SIRA - 90-53, 15 Dec., 1953

VLASOV, Aleksey Alekseyevich; VOROHTSOV, Aleksey Ivanovich; PONOMAREVA, Yekaterina Bikolayevna; STROKOV, Vyacheslav Vsevolodovich; FIZROV, Sergey Konstantinovich; KHRAMTSOV, N.N., redaktor; IL'INSKIY, A.I., kandidat sel'skokhozyaystvennykh nauk; MALKOV, A.A.; KOLESNIKOVA, A.P., tekhnicheskiy redaktor

[Forest protection] Lesozashchits. Izd.2-oe, perer. Pod obshchei red. S.K.Flerova. Moskva, Goslesbumizdat, 1955. 438 p. (MLRA 9:1)

1. Prepodavatel' Khrenovskogo lesnogo tekhnikuma (for Malkov) (Forests and forestry) (Trees-Diseases and pests)

ACC NR: A116021066

Monograph

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Vlasov, Anatoliy Aleksandrovich

Statistical distribution functions (Statisticheskiye funktsii raspredeleniya) Moscow, Izd-vo "Nauka," 1966. 355 p. illus., biblio. Errata slip inserted. 7000 copies printed.

TOPIC TAGS: statistical physics, distribution theory, statistical thormodynamics, nucleonics, distribution question, function analysis

PURPOSE AND COVERAGE: This monograph is devoted to the basic principles of statistical mechanics and its interrelationships with other branches of theoretical physics. It deals with the interrelationships between distribution functions and mechanics, the principle of maximum statistical independence, the interrelationships with electrodynamics, geometry, relativity, theory and other problems. The book is based on lectures on kinetic equations and supplementary topics in statistical physics presented by the author in the Physics Department of Moscow State University. The book may be used by senior students, graduate students, scientists, and engineers who are concerned with problems of theoretical physics.

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UDC: 536.70

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VLASOV, A. A.

UBSR/Engineering - Foundry, Equipment

Mar 51

"Foundry Suspension Conveyers," A. A. Vlasov, Cand Tech Sci, Gor'kiy Industrial Inst

"Litey Proizvod" No 3, pp 9-11

USSR foundry molding shops are installing suspension-type (pendulum-type) conveyers instead of ground-, or carriage-type conveyers, widely used up to now. Describes construction of these conveyers and discusses their advantages and short-comings.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860230004-7

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ACC NR. AP6001692 SOURCE CODE: UR/0089/65/019/005/0423/0428

AUTHOR: Bondarev, B. I.; Vlasov, A. D.

ORG: none

TITLE: A self-consistent particle distribution in the maximum current of a linear accelerator.

SOURCE: Atomnaya energiya, v. 19, no. 5, 1965, 423-428

TOPIC TAGS: linear acceleration, plasma beam, particle accelerator, proton accelerator, postable linear proton and heavy ion accelerators has gained in importance in recent years. Some of the earlier authors discussed the problem representing the accelerated plasma blobs in the form of

authors discussed the problem representing the accelerated plasma blobs in the form of uniformly charged ellipsoids. The present article shows that such a model of uniformly charged ellipsoids represents a self-consistent charge distribution. It was assumed that 1) the transverse particle oscillations may be neglected; 2) the blob is circularly symmetric; 3) the distribution density is constant in the region of the separatrices in the phase plane; and 4) the self-consistency problem is formulated for particles only along the axis of the blob. The proof verifies the known expression for the maximum current within a linear accelerator which is based on such a model. The field of adjacent blobs, the effects due to the walls of the accelerating system, and the charges of electrons and ions within the residual gas were not

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UDC: 621.384.62

ead to a self- hough somewl	ken into account. It is also shown that a cylindrical approximation of the blobs does not ad to a self-consistent particle distribution, but does lead to an expression very similar, ough somewhat larger, than the correct maximum current expression. Orig. art. has: formulas and 1 table.						LL 9	
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VLASOV, A.D.

SUBJECT

USSR / PHYSICS

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PA - 1753

AUTHOR

VLASOV.A.D.

TITLE

Focussing with Change of Sign in Linear Accelerators.

PERIODICAL

Atomnaja Energija, 1, fasc. 5, 20-25 (1956)

Issued: 1 / 1957

The present work gives a short description of work performed by the author in 1953-1955. Such problems as focussing with a change of phase, tolerances, deforming effect of space charge, etc. are not dealt with in the present work and must be investigated separately.

Initial Equations; amplitude of oscillations within a structural period: The

radial motion of a particle with the mass

 $m_0/\sqrt{1-\beta^2}$ , with the velocity  $v=\beta c$  and with the phase  $\varphi$  is described in the  $X\bar{Z}$  plane in linear approximation by the equation  $d/dt(m\ dX/dt) = F(Z, \phi).X$ . The gradient of the radial forces is composed of the gradient produced by the lenses and of the gradient of the defocussing forces of the accelerating field. The "kinematic" factor / L/mv (where L is the half length of the structure period) in accelerators with drive tubes (L~v) is constant in nonrelativistic approximation. In accelerators of similar resonators with one interspace each and also in the case of free oscillations in a cyclical accelerator (L = const) this factor is inversely proportional to the square root of the momentum. The stability range, possibility of focussing with change of sign. The case with the most simple structural period is now investigated, namely an idealized

Atomnaja Energija, 1, fasc.5, 20-25 (1956) CARD 2 / 2 PA - 1753 accelerator with undamped propagated waves and with a rectangular characteristic of the gradient in the lenses. The equation of this problem is  $d^2x/ds^2 + \left[+ \bigwedge^2 - A \sin \phi\right]x = 0$ . The matrices of the focussing and defocussing half-period are given. The upper part of the stability range ( $\Lambda > 1,7$ ) can in practice not be used for this work, and this limits the field strength of the accelerating field for a given  $\beta$ . L and  $\lambda$ . The middle part of the stability range ( $\Lambda = 1,4-1,6$ ) can be used. Decrease of the change of sign of the lenses makes an amplification of the accelerating field possible, but at the same time it requires a reinforcement of the gradient in the lenses.

There follows the computation of the matrices of the composed periods. A method for simplified computation is discussed on the basis of the example of an accelerator with drive tubes. The matrices of the focussing and defocussing lenses and of the interspace between the lenses are explicitly given. In conclusion the modification of the parameters from period to period and the influence exercised by phase oscillations is discussed.

INSTITUTION:

Transverse Radiotekh.	oscillations in the dee system of i elektron.i no.7:903-909 J1 *56. (Synchrotron) (Cyclotron)	(MIRA 10:1)